

Converting Colors

$Y_{xy}(100.0000, 0.4310, 0.3905)$

Have a look what the booklet for
Yxy(100.0000, 0.4310, 0.3905)
contains.

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Color

Yxy(82.5743, 0.3773, 0.4055)

Conversions

Conversions Part 1

Format	Color
Hex	FFEA9E
RGB	255, 234, 158
RGB Percent	100%, 92%, 62%
CMY	0.0000, 0.0823, 0.3804
CMYK	0.00, 0.08, 0.38, 0.00
HSL	47°, 100%, 81%
HSV	47°, 38%, 100%
XYZ	76.8318, 82.5743, 44.2297
YIQ	231.6150, 36.9120, -19.1840

Conversions

Conversions Part 2

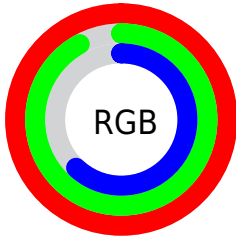
Format	Color
R _Y B	185, 255, 158
Decimal	16771742
CIE Lab	92.83, -3.32, 39.51
CIE LCh	93, 39.653, 94.797
Yxy	82.5743, 0.3773, 0.4055
Android (android.graphics.Color)	4294961822 (0xFFFFEA9E)
YUV	231.6150, -36.2922, 20.5086
Hunter-Lab	90.8704, -8.0998, 34.7508

Details

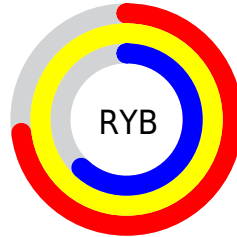
The Yxy color **82.5743, 0.3773, 0.4055** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.7162, 0.2462, 0.2383**, and the grayscale version is **80.6499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **44.7517, 0.3905, 0.4207** is the 20% darker color. If you saturate the color by 10%, you get **78.6969, 0.3956, 0.4246**, and if you desaturate by 10%, it is **86.7393, 0.3591, 0.3853**.

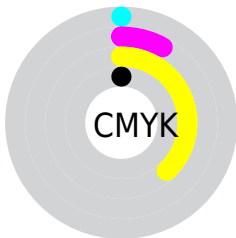
Distribution



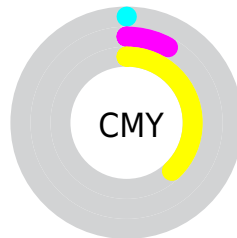
- Red (100%)
- Green (92%)
- Blue (62%)



- Red (73%)
- Yellow (100%)
- Blue (62%)



- Cyan (0%)
- Magenta (8%)
- Yellow (38%)
- Black (0%)




- Cyan (0%)
- Magenta (8%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.5743, 0.3773, 0.4055 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 82.5743, 0.3773, 0.4055 by changing the saturation by 10% instead.

 82.5743, 0.3773,
0.4055

 82.5743, 0.3773,
0.4055


503.5667, 0.3488,
0.3713

 61.8390, 0.3834,
0.4129


 136.9791, 0.3678,
0.3939

 44.9026, 0.3906,
0.4218


 171.4174, 0.3639,
0.3893

 31.3807, 0.3993,
0.4326

211.1921, 0.3606,
0.3853

 20.8890, 0.4099,
0.4460

256.6877, 0.3577,
0.3818

 13.0429, 0.4227,
0.4627

308.2886, 0.3551,
0.3787

 7.4581, 0.4380,
0.4833

366.3791, 0.3528,

 3.7502, 0.4723,

0.3760

0.5277

431.3437, 0.3507,
0.3735

■ 1.5348, 0.4671,
0.5329

■ 0.3130, 0.4089,
0.5911

■ 82.5743, 0.3773,
0.4055

■ 82.5743, 0.3773,
0.4055

■ 78.6969, 0.3956,
0.4246

■ 86.7393, 0.3591,
0.3853

■ 75.0834, 0.4132,
0.4415

■ 91.1917, 0.3416,
0.3647

■ 71.7242, 0.4295,
0.4552

■ 95.9457, 0.3251,
0.3446

■ 68.6039, 0.4436,
0.4647

99.9989, 0.3127,
0.3290

■ 65.7047, 0.4548,
0.4695

■ 63.0026, 0.4631,
0.4696

■ 62.4904, 0.4646,
0.4693

Harmonies

Analogous

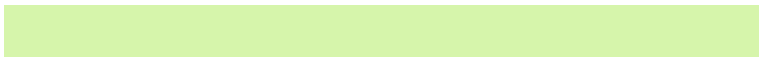
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.5743, 0.4014, 0.3798



82.5743, 0.3773, 0.4055



82.5743, 0.3367, 0.4108

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.5743, 0.3773, 0.4055



82.5743, 0.2322, 0.3032



82.5743, 0.3297, 0.2781

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



82.5743, 0.3773, 0.4055



46.7162, 0.2462, 0.2383

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.5743, 0.2840, 0.2594



82.5743, 0.3773, 0.4055



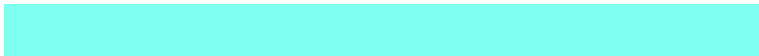
82.5743, 0.2306, 0.2709

Square

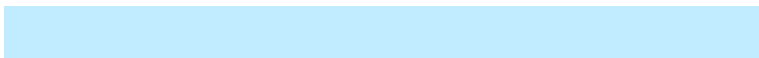
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.5743, 0.3773, 0.4055



82.5743, 0.2537, 0.3475



82.5743, 0.2488, 0.2562



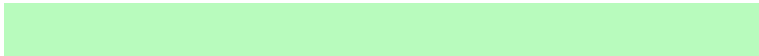
82.5743, 0.3735, 0.3083

Rectangle

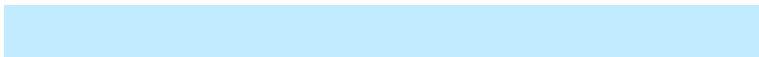
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.5743, 0.3773, 0.4055



82.5743, 0.3062, 0.3993



82.5743, 0.2488, 0.2562



82.5743, 0.3140, 0.2704

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



82.5781, 0.3773, 0.4055



94.5127, 0.3299, 0.3505



48.9630, 0.3864, 0.3071



20.0904, 0.3321, 0.3532



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

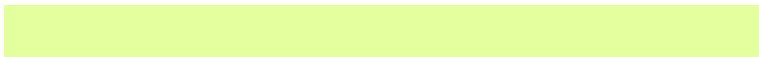
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5781, 0.3773, 0.4055



79.4717, 0.3919, 0.4208



90.3983, 0.3512, 0.4303



20.3845, 0.3275, 0.3475



32.8827, 0.4637, 0.4700



3.3594, 0.4576, 0.4749

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



46.7162, 0.2462, 0.2383



38.8186, 0.2307, 0.2153



42.0420, 0.2618, 0.2184



18.0146, 0.2979, 0.3098



5.3843, 0.1562, 0.0821



0.6758, 0.1616, 0.1018

Previews

White Background



This preview shows how the Yxy color 82.5743, 0.3773, 0.4055 looks on a white background.

Color Contrast Check

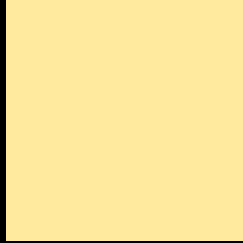
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 82.5743, 0.3773, 0.4055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.5743, 0.3773, 0.4055

Background



This preview shows how black text looks on a background with the Yxy color 82.5743, 0.3773, 0.4055.



This preview shows how white text looks on a background with the Yxy color 82.5743, 0.3773, 0.4055.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

82.5743, 0.3773, 0.4055

Protanopia

82.3851, 0.3766, 0.4057

Deuteranopia

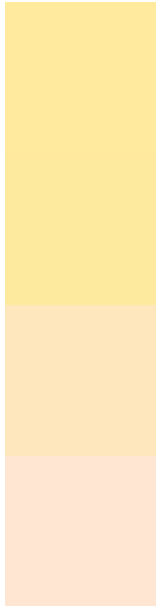
82.3586, 0.3456, 0.3522



Tritanopia

82.4302, 0.3244, 0.3172

Trichromacy



Original Color

82.5743, 0.3773, 0.4055

Protanomaly

82.3851, 0.3766, 0.4057

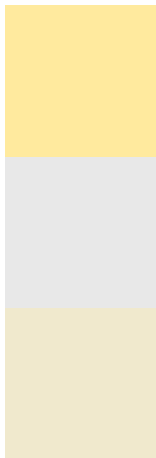
Deuteranomaly

82.0860, 0.3576, 0.3716

Tritanomaly

82.5068, 0.3435, 0.3492

Monochromacy



Original Color

82.5743, 0.3773, 0.4055

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.2109, 0.3356, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.5743, 0.3773, 0.4055 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 234, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 158)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 234, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 158) }
```

Border

The CSS property to change the border of an element to Yxy 82.5743, 0.3773, 0.4055 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 234, 158) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 234, 158) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 234, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
158) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 82.5743, 0.3773, 0.4055$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 158) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
234, 158) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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